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(54) Title: ROTATING ELECTRICAL MACHINE COMPRISING HIGH-VOLTAGE STATOR WINDING AND SPRING-DEVICE
SUPPORTING THE WINDING AND METHOD FOR MANUFACTURING SUCH MACHINE

(57) Abstract

The invention relates to a method in the manufacture of a rotating electric machine. The stator windings are obtained by drawing a high-voltage cable with an outer semi-conducting layer through slots in the stator. To avoid damaging vibrations in the windings these should be supported at least at some points, and to permit thermal expansion the supports should be resilient. Spring members are therefore arranged in the stator slots. According to the invention these are applied in the slots in deactivated state, i.e. they do not exert any spring action. They are therefore not in the way and do not impede passage of the cable when the stator is wound. When winding is complete the spring members are activated to abutment against the cable parts, clamping them firmly in the slots. The invention also relates to a rotating electric machine provided with such spring members, said spring members consisting of corrugated plate springs (13c).

